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Note: Because schools and public libraries preserve the GEOGRAPHIC NEWS BULLETINS for future reference, an index is supplied annually, listing all subjects, pictures, and maps. The Index to Volume XVIII covers the 30 issues from February 20, 1939, through the current number.

Photograph by W. Robert Moore

NEW ZEALAND KEEPS ITS MAORI NATIVES IN HOT WATER

Pools of boiling water in the earth's steaming crevices, near Rotorua, serve Maori housewives as fireless cookers for food in kettles, or corn boiled in linen bags (Bulletin No. 1).

HOW TEACHERS MAY OBTAIN THE BULLETINS

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New Zealand: Australia's Sister Dominion

A YOUNG member of the British Commonwealth of Nations celebrated its one-century birthday last month. It was in 1840 that English colonists sailed into harbor in New Zealand two days in advance of two shiploads of French settlers, and the island cluster became a British colony. After years of uprisings on the part of the Maoris, the intelligent Polynesian aborigines living there when the white men arrived, the colony achieved Dominion status in 1907.

Geographic isolation explains why New Zealand was one of the most recently colonized regions. Even by way of that modern short cut, the Panama Canal, New Zealand is more than 12,000 miles from England. The route around South America instead of through the Canal would add another thousand miles. Ships sailing westward through the Suez Canal and the Mediterranean must travel more than 14,000 miles from Wellington, New Zealand, to Southampton, England.

Twenty Times as Many Sheep as People

In spite of this distance handicap, the self-governing Dominion had a seat in the League of Nations within eighty years of its first permanent settlement by white men. After the World War, in recognition of services in that conflict, it was given a mandate over German Samoa.

New Zealand, 103,000 square miles in area, is made up of North and South Islands, the two main segments of the group, as well as Stewart, Cook, and several smaller outlying islands of the Pacific.

More than a thousand miles long and only 280 miles across at its widest point, the dominion's slim outline seems, on a map of the broad Pacific, much closer to Australia than it is. Actually they are 1,400 miles apart.

The dominion has a population of more than a million and a half people, including 70,000 Maoris, the aborigines who are increasing rather than diminishing in numbers under the white man's government (illustrations: cover, inside cover, and last page).

The human population is far exceeded by its domestic animal population. There are roughly three times as many cattle as people on the islands, and more than twenty times as many sheep.

Where Business Boomed When "Put on Ice"

Stock-raising is the leading industry. A mild climate, with ample rainfall and sunshine, assures grazing in the open the year around. The islands also grow considerable fodder crops, some wheat, potatoes, peas, and many fruits, including apples, peaches, apricots, plums, and nectarines. The dairy industry is highly developed.

No one factor has proved more important in the trade life of New Zealand than the advent of refrigeration. In the late 1700's, the islands made their first timber exports. Later, with the whaling industry of the South Seas, came little depot settlements, specializing in blubber, whalebone, and oil. Among the grim exports of those early days are listed tattooed Maori heads.

Before modern freezing methods, such products as wool, tallow, hides, and skins were the mainstays of New Zealand's foreign trade. With refrigeration's advance in the 1800's, meat, butter, and cheese shipments became feasible, and the great modern export trade of the islands got its start.

Today, in proportion to population, New Zealand has the world's largest trade figure. The United Kingdom is the dominion's best customer, taking some 83 per

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Photograph from London News Agency Photos

FLAX-KILTED MAORIS RISE TO A "DOWN-UNDER" VERSION OF THE HIGHLAND FLING

Of all the men performing an exhibition war dance in Rotorua, New Zealand, not a foot is on the ground. In this *baka* (dance) they accentuate their flying leap by brandishing their wooden spears, shrieking, and sticking out their tongues. They wear kilts of the New Zealand flax, scraped and dried to stiffness. The old war clans of the Maoris were organized into *wakas*, or "canoes," each composed of descendants of a canoe-load of early immigrants. About 1350 A.D., a fleet of canoes crossed the Pacific from Tahiti to bring the latest wave of Maori settlers (Bulletin No. 1).

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Pocahontas, Cleopatra, and King Solomon Among Archeology's 1939 Studies

THE glamour girls of ancient history fascinate the moderns too, as scientists report on their 1939 archeological finds. The correct address of Helen of Troy, the hideaway of Pocahontas, and the riverside palace of Cleopatra during her exile in Rome competed for attention with such ancient heroes as King Solomon in Palestine and Leonidas defending Greece at the battle of Thermopylae.

Captain John Smith mapped the stockaded Indian village of Patawomeke (Potomac) on the Potomac River, in 1608. In 1612 Captain Argall recognized there among the villagers the maid Pocahontas, who saved Captain Smith's life. She had been sent there by her father to be concealed from white colonists. The captain promptly kidnapped the Indian princess to hold as hostage for Powhatan's white prisoners, and carried her to Jamestown where she met and married John Rolfe. The village of Patawomeke was scarcely heard from again, until Dr. T. D. Stewart of the Smithsonian Institution dug into a barley field near Marlboro Point in Stafford County, Virginia, and identified the site. Dr. Stewart reported finding weapons, pipes, pottery, and other objects—including glass beads and a silver cup.

Peru's Bean-Writing and Ship-Grave of England's Early King

Delving back even further into the culture of American Indians, Matthew W. Stirling, leader of the National Geographic Society-Smithsonian Institution Expedition to Vera Cruz State, Mexico (illustration, next page), discovered the oldest dated work of man yet brought to light in the Americas—a stone monument bearing in Maya characters a date equivalent to November 4, 291 B.C.

The Chimu Indians established a kingdom stretching for 500 or 600 miles along the coast of Peru, before the Incas gathered it into their empire. Rafael Larco Hoyle found so many pictures of decorated lima beans on vases made by the Chimus that he decided they had a primitive system of writing on the bean.

"Kingly treasure" assumed a real meaning when archeologists opened the ship-grave of a 7th-century king at Sutton Hoo, Suffolk, England. Raedwald, East Anglia's king who died about 620 A.D., had been buried in state, with gold buckles, silver dishes, garnets mounted in gold, a cloisonné purse frame, an iron sword, and a suit of chain mail, to indicate the status due him in the next world.

The stepson of Rome's Emperor Augustus, Tiberius, was the first to take over the empire after the birth of Christ, ruling from 14 to 37 A.D. The triumphal Arch of Tiberius, set up by the Roman Senate in 16 A.D. and lost for centuries, was found in the grounds of Vatican City. The five panels discovered show the only known portraits of Tiberius as a bitter, disillusioned old man.

Cleopatra's Home in Rome and Arrows at Thermopylae

A ruined palace beside the Tiber, unearthed by workmen on the river banks, recalled the fascination of young Cleopatra for the elderly Julius Caesar. The palace, a mile outside the walls of imperial Rome, was found to have elaborate baths, miniature temples, and walls decorated with frescoes and mosaics. Archeologists identify the palace as the luxurious villa where Cleopatra set up housekeeping after Caesar restored her Egyptian throne to her by his Alexandrine War and brought her to Rome. There she remained until the fateful Ides of March, 44 B.C., when Caesar met his assassins in the Senate at the foot of his victim Pompey's statue.

The story of the gallant defense of the Grecian pass at Thermopylae by Leonidas, King of Sparta, and his 5,000 men against the 200,000 followers of the

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cent of its exports. Of the 17,000,000 lambs born there in 1938, more than 10,000,000 went to Britain. In return, New Zealand buys a little less than half of her total imports from the mother country.

Partly because of the opening of the Panama Canal, which lessened distances from New Zealand to Uncle Sam's eastern ports, imports from the United States have increased considerably in modern times. The percentage is roughly one-eighth of the total. Canada supplies about half as much.

New Zealand boasts a high standard of living, with one motor car to each seven inhabitants. It claims the lowest death rate in the world, 8.5 per 1,000.

Note: More extensive descriptions, accompanied by photographs of New Zealand, are found in "New Zealand 'Down Under'," *National Geographic Magazine*, February, 1936; "Tuatara: 'Living Fossils' Walk on Well-Nigh Inaccessible Rocky Islands off the Coast of New Zealand," May, 1935; "Waimangu and the Hot-Spring Country of New Zealand," August, 1925.

See also in the GEOGRAPHIC NEWS BULLETINS: "Sky Route to New Zealand," January 31, 1938.

Bulletin No. 1, February 12, 1940.

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WATERFALLS AND FERN FOREST ARE PEACEFUL NEIGHBORS TO NEW ZEALAND'S GREATEST GEYSER

Some 150 miles north of the city of Auckland, on North Island, the northernmost section of New Zealand, the Whangarei Falls pour through a luxuriant rain forest distinguished for its large kauri trees and tree ferns. On the same island are Mount Tarawera, the volcano which wiped out villages and farms across millions of acres in 1886, and the Waimangu geyser, which flung scalding mud to a height of 1,500 feet to attain a world record for geyser action (Bulletin No. 1).

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Half-and-Half Sakhalin Serves Russia and Japan

THE *No Fishing* sign came down from Russian coastal waters at the first of the year, and the *Business As Usual* sign went up in ports of the Russo-Japanese island of Sakhalin. For Sakhalin is headquarters for many of the Japanese fishermen to whom the Soviet Union renewed treaty rights to fish in Russian territorial waters off the east coast of Siberia and the Russian half of Sakhalin.

The Russo-Japanese cooperation on fisheries and island management has long roots that reach all the way to the United States. In Portsmouth, New Hampshire, in 1905, Japan and Russia signed the treaty that provided for sharing the fisheries and for dividing between them the shoestring-shaped 30,000 square miles of island that hid important oil and coal reserves under its three feet of snow.

Gold in Japan's Sunny South, Oil in Russia's Frozen North

Russia took the northern half of the island, Japan the southern half, renaming it Karafuto. It was so carefully divided because its fisheries tap one of the world's richest seafood areas, its forests spread untouched from coast to coast, and its mineral resources include buried wealth essential to both nations. Thick coal beds make a rich swath down Sakhalin's center. But prospecting has revealed that all the iron and nearly all the gold lie in Japan's half. And the barren, thinly populated Russian half contains all the oil. Since the Portsmouth treaty, there have been people on both sides of Sakhalin's international waistline who muttered, "We've been robbed."

In 1925 the Soviet Union granted Japan some mining concessions in the Sakhalin oil zone in return for fifteen per cent of the profits. The Sakhalin fields are the chief Soviet oil source in the Far East, within easy reach of the important naval base at Vladivostok. They are even more vital, however, to Japan, who depends on them for one-fourth of the oil obtainable without foreign purchase. The booming oil town of Okha on the island's northeast coast is one of the two Russian settlements of more than 5,000 people.

Mysterious "White Japanese" Among Native Tribes

Slender Sakhalin Island narrows to a width of thirty miles in spots, and nowhere exceeds a hundred. Two parallel mountain ranges throughout its 650 miles of length give three-fourths of its area a hilly slant, with a central troughlike valley down the middle and narrow coastal margins. Geologists have confirmed the local tradition that it was once joined to Siberia. Forests stand knee-deep in snow, and the northern quarter is half-frozen bog and tundra. The chief town of the Russian half, Alexandrovsk on the sheltered western coast, has an average temperature of 32 degrees—freezing!

The Chinese considered Sakhalin part of their empire before the Japanese laid claim to it. Russia acquired it in 1875 by swapping the Kurile Islands to Japan.

Previously it had been one of the last strongholds of primitive Mongolian tribes pushed off the mainland by advancing civilization. The hunting and fishing Giliak were slave-traders, until the Soviet Government in 1925 persuaded them to stop selling their surplus women. The white Ainus, who filtered in from prehistoric Japan, are still one of cryptic Asia's human riddles (illustration, next page).

The hunting and fishing traditions of primitive tribesmen are still important. A third of the rural income still comes from furs and hides—squirrel, ermine, sable,

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invading Persian ruler Xerxes, in 480 B.C., was verified by Dr. S. Marinátos, chief archeologist of the Greek government. The Spartan troops of Leonidas were wiped out by Persian arrows shot in such profusion that they were said to have hidden the sun. Dr. Marinatos, 2,419 years later, found in the pass arrows and spears which had apparently lain buried since the battle.

A royal tomb of the 14th century B.C., opened at the Agora, showed that Athens was a rich city at the time of the Trojan War. Further excavations at Athens emphasized the skill of ancient Greek builders (illustration, end of Index).

Excavations at the site of Troy in Turkey stirred memories of Helen of Troy —"the face that launched a thousand ships, and burned the topless towers of Ilium." Dr. C. W. Blegen, leader of the University of Chicago-Turkish Government researches, found that Helen lived in the seventh city (1350-1200 B.C.) to rise on that strategic site, rather than in the earlier and richer sixth.

The seaport of Ezion-geber, which King Solomon built on the Palestine shores of the Gulf of Aqaba around the mid-10th century B.C., was an industrial center of importance because of its large smelting plants. Their remains were studied by Dr. Nelson Glueck. He found also a jar of the 8th century B.C. which bears the first datable South Arabic letters.

Note: A modern treatment of archeological sites in Greece and Italy will appear in the March, 1940, *National Geographic Magazine*, entitled "Modern Odyssey in Classic Lands." A ten-color wall map, indicating places famous in history, art and science, accompanies this issue. Material about other sections in which archeological finds of 1939 have been made is contained in "Discovering the New World's Oldest Dated Work of Man," August, 1939; "Augustus—Emperor and Architect," October, 1938; "Horace, Classic Poet of the Countryside," December, 1935; "New Greece, the Centenarian, Forges Ahead," December, 1930; "The Perennial Geographer" (Virgil), October, 1930; "Seeing 3,000 Years of History in Four Hours," December, 1928; and "Flying Over Egypt, Sinai, and Palestine," September, 1926.

Bulletin No. 2, February 12, 1940.

Photograph by Richard H. Stewart

MUD VS. MUSCLE FIGURES IN THE RESURRECTION OF MEXICO'S DEAD PAST

During the excavations at Tres Zapotes in Mexico, conducted by the National Geographic Society-Smithsonian Institution Expedition, workmen unearthed a stone monument carved with three figures (one kneeling at top, one holding a staff half in mud, center one a woman) possibly representing a marriage ceremony. At this site they found also the stone dated with figures corresponding to November 4, 291 B.C. The finds were significant because they indicated the extension of Maya culture farther west than had been suspected.

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and bear. The modern regime has introduced fur farms. Musk deer and musk oxen have not yet disappeared from the island's wildernesses. Once the plentiful salmon of the rivers were rounded up with the help of dogs that caught the fish in their mouths. Now motor boats and canning equipment from the United States are used in extensive fisheries. Herring is king in Sakhalin waters, with cod and salmon following.

Food for Sakhalin has to be supplemented by imports, to avert the scurvy that killed off early settlers. The brief summers, even in the milder southern half, allow barely a hundred days for gardens to grow. Modern Soviet wizardry with sub-Arctic agriculture has developed fast-maturing grains that ripen in the short summer of bleak northern Sakhalin. In a central valley around Derbinsko, Soviet farms raise wheat and barley which mature speedily between snows. In the warmer and more protected south, the Japanese are experimenting with hardy rice and even fruit trees, especially their esteemed cherry.

Sakhalin's forests support a lumber industry that is especially important to Japan. Instead of exporting wood for paper pulp, the Japanese now produce pulp on the island's east coast, in what is possibly the largest and most modern pulp plant of the entire Far East. To man these growing industries, both nations have subsidized colonization. In Japanese Karafuto, population has grown to 295,000. The less hospitable Russian half of the island has barely 15,000 permanent inhabitants, and only two cities of any size.

Note: For additional Japanese material see "Women's Work in Japan," *National Geographic Magazine*, January, 1938; "Friendly Journeys in Japan," April, 1936; "Japan, Child of the World's Old Age" and "Motor Trails in Japan," March, 1933; and "Empire of the Risen Sun," October, 1923.

Bulletin No. 3, February 12, 1940.

Photograph by W. Robert Moore

THESE VANISHING WHITE MEN WERE NEARLY SQUEEZED OFF THE YELLOW MAN'S MAP

In Sakhalin are some of the remnants of the Ainus, the straight-eyed aboriginals who were pushed northward by the waves of the present Japanese people immigrating to Japan. In a yellow man's region, they are white-skinned, blue-eyed, bushy-bearded people without a Mongolian slant to their faces. As nature worshipers, they venerate the bear of Sakhalin's deep forests, and every Ainu village has its bear cage in sight or bear cubs kept as semi-sacred pets. These Ainu grandfathers wear the traditional robes and headdresses of their ancient race.

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Shetland Islands: Shetland Islands, Britain's Farthest North, Dec. 11, 1939.
Spratley: Four Nations Take Steps on Pacific Stepping Stones, May 1, 1939.
Trinidad: Ill.: Asphalt lake, Trinidad, Oct. 23, 1939.
West Indies: British Empire Is 30 Per Cent American, 2 ills., Jan. 15, 1940.
European Colonies Make Non-American Spots in the Americas, 2 ills., Oct. 23, 1939.
Pirate Treasure Find Revives Old Tales of Spanish Main, Mar. 20, 1939.
See also *Hispaniola, Martinique, St. Eustatius, Trinidad,* and *Virgin Islands.*
Virgin Islands: Ill : Bluebeard's Castle Hotel, St. Thomas, Mar. 20, 1939.

POLAR REGIONS

Antarctic: Ice-Covered Antarctica Claimed by Six Governments, 1 map, May 8, 1939.
Additional ill.: Flag on radio tower of Little America, Jan. 22, 1940.
Arctic: War Loss Closes Finland's Back Door to the Ice-Free Arctic, Jan. 8, 1940.

MAPS AND MAP MAKING

Map Making: Geography's Guerrilla Warfare in Europe (Europe map, Sept. 1, 1939), 2 ills., Oct. 9, 1939.
New Map Shows Important Area Around New York City, May 1, 1939.
Sketch Maps: Aden Protectorate, Feb. 20, 1939.
Antarctica, May 8, 1939.
Hainan Island (China) and surrounding territory, Mar. 13, 1939.
Poland (as of Sept 1, 1939), Oct. 2, 1939.
Southern Mexico and northern Central America showing zone of Maya culture, Mar. 6, 1939.
Thailand (Siam) and surrounding countries, Dec. 18, 1939.

TRANSPORTATION

General: Bermuda Still Resists Motor Age, 2 ills., Nov. 27, 1939.
Engineering Accomplishments of 1939, Jan. 29, 1940.
Speed, Distance, and Altitude Records Go Up in 1939, Jan. 8, 1940.
Aviation: Speed, Distance, and Altitude Records Go Up in 1939, Jan. 8, 1940.

UMI

Germany: Bohemia-Moravia Inherited Industries and Ills of Austria, 3 ills., Apr. 3, 1939.
Facing Three Phases of Germany's Growth (with tabulated data), May 15, 1939.
Geographic Advantages and Hazards of Belligerents in Present World War: A Tabulation, Oct. 2, 1939.
German Exodus from Baltic States Is Another of War's Migrations, Nov. 6, 1939.
German Minorities Scattered Around the World, Dec. 18, 1939.
Germany Woos Latin American Trade, 2 ills., Feb. 20, 1939.
Latest Change of Status Danzig's Tenth, Oct. 9, 1939.
Maginot and Limes Lines Are Backbone of Europe's Western Front, Oct. 2, 1939.
Memel, "Lung" of Lithuania's Commerce, Goes German, Apr. 17, 1939.
Saar: A Battlefield Since Caesar's Time, Oct. 16, 1939.
U. S. Countervailing Duty on German Specialties, 2 ills., Apr. 17, 1939.
Additional ills.: Masker at Festival of Phantoms, Imst, Austrian Tyrol, Oct. 30, 1939; Wenceslaus Square, Prague, Jan. 8, 1940.
Gibraltar: Gibraltar: British Sentry at the Mediterranean Gate, May 8, 1939.
Great Britain: British Empire Is 30 Per Cent American, 2 ills., Jan. 15, 1940.
Geographic Advantages and Hazards of Belligerents in Present World War: A Tabulation, Oct. 2, 1939.
See also *Eire, England, Northern Ireland, Scotland,* and *Wales.*
Greece: Pocahontas, Cleopatra, and King Solomon Among Archeology's 1939 Studies, 2 ills., Feb. 12, 1940.
See also *Islands: Corfu.*
Hungary: Carpatho-Ukraine Was "Postscript" Eastern Tip, 3 ills., Apr. 3, 1939.
Ireland: See *Eire* and *Northern Ireland.*
Italy: Mount Vesuvius Grumbles Above a Resurrected Pompeii, Jan. 8, 1940.
Pocahontas, Cleopatra, and King Solomon Among Archeology's 1939 Studies, 2 ills., Feb. 12, 1940.
South Tyrol, Italy's Teutonic Province, Jan. 22, 1940.
Vatican Not the Pope's Only Home, Mar. 27, 1939.
Additional ills.: Oxen plowing, southern Italy, May 1, 1939; Region around Lake Garda, Oct. 9, 1939. Shepherd with apartment houses in background, Rome, Feb. 5, 1940.
See also *Vatican City.*
Latvia: German Exodus from Baltic States Is Another of War's Migrations, Nov. 6, 1939.
Three East Baltic Nations under Soviet Union's Wing, Oct. 23, 1939.
Liechtenstein: Liechtenstein Is Reminder of Four Other Midget States, Apr. 24, 1939.
Lithuania: Enlarged Lithuania Recovers Its Lost Capital, Dec. 4, 1939.
German Exodus from Baltic States Is Another of War's Migrations, Nov. 6, 1939.
Memel, "Lung" of Lithuania's Commerce, Goes German, Apr. 17, 1939.
Three East Baltic Nations under Soviet Union's Wing, Oct. 23, 1939.
Luxembourg: Luxembourg, Small Oasis of Neutrality, Oct. 30, 1939.
Monaco: Liechtenstein Is Reminder of Four Other Midget States, Apr. 24, 1939.
Netherlands: "Low Countries" Caught in War's Squeeze Play, 2 ills., Nov. 27, 1939.
Northern Ireland: Ill.: Round tower, Antrim, Oct. 9, 1939.
Norway: Scandinavia, Europe's Viking Crest, 3 ills., Feb. 5, 1940.
Additional ill.: Lapp family, Tromsö, Norway, Apr. 24, 1939.
Poland: Geographic Advantages and Hazards of Belligerents in Present World War: A Tabulation, Oct. 2, 1939.
Poland Is Turning Another Page, 2 ills., 1 map, Oct. 2, 1939.
Warsaw: Capital Without a Country, 2 ills., Oct. 16, 1939.
Why "White" Russians and Ukrainians in Poland? 2 ills., Oct. 9, 1939.
Portugal: Lisbon: All Ashore for Europe! 3 ills., Dec. 11, 1939.
Romania: Dobruja: A Magnet for Black Sea Diplomacy, Nov. 20, 1939.
Germany Is Best Customer at Romanian Bargain Counter, 2 ills., May 1, 1939.
Romania's Border Areas Coveted by Dissatisfied Neighbors, 2 ills., Oct. 16, 1939.
Russia: See *U. S. S. R. (European)* and *U. S. S. R. (Asiatic).*
San Marino: Liechtenstein Is Reminder of Four Other Midget States, Apr. 24, 1939.
Scotland: Scapa Flow, Dramatic Scottish Base for the British Navy, Nov. 6, 1939.
See also *Great Britain* and *Shetland Islands.*
Slovakia: Slovakia, Where Men Live by the Land, 3 ills., Apr. 3, 1939.
See also *Czecho-Slovakia.*
Spain: Burgos Bustles as Insurgent Capital, Mar. 6, 1939.
Spain Is Wooed for Mineral Merchandise, Dec. 18, 1939.
Spain's War Victims Pour over Pyrenees into France, Feb. 20, 1939.
Sweden: Scandinavia, Europe's Viking Crest, 3 ills., Feb. 5, 1940.
Additional ill.: School children, Rattvik, Sweden, Nov. 6, 1939.
Switzerland: Switzerland Guards Peace Island Surrounded by War, Dec. 11, 1939.
Turkey: Courted Turkey Holds a Key, 2 ills., Oct. 23, 1939.
Turkish Earthquake Brings Fresh Tragedy to Historic Scene, 2 ills., Jan. 22, 1940.
Additional ill.: Shipping eggs from Samsun, Turkey, Feb. 5, 1940.
U. S. S. R. (European): Finland's Karelian Isthmus Is Europe's "Hottest" Battleground, Jan. 29, 1940.
Murmansk: Russia's Arctic Port of "Missing Ships," Nov. 13, 1939.
Soviet Union Appears in Political Patchwork of the Baltic, Oct. 16, 1939.
Three East Baltic Nations under Soviet Union's Wing, Oct. 23, 1939.
Why "White" Russians and Ukrainians in Poland? 2 ills., Oct. 9, 1939.
Additional ill.: Russian-Estonian railroad frontier, Jan. 8, 1940.
See also *U. S. S. R. (Asiatic).*
Vatican City: Liechtenstein Is Reminder of Four Other Midget States, Apr. 24, 1939.
Vatican City, a Thumb-Nail State of World Importance, Mar. 6, 1939.
Vatican Not the Pope's Only Home, Mar. 27, 1939.
Wales: Cardiff Raises a Welsh Voice and Temple in Favor of Peace, May 15, 1939.
See also *Great Britain.*
Yugoslavia: Yugoslavia Is Best Known, Least Understood of Balkans, 3 ills., May 8, 1939.

NORTH AMERICA

Canada: British Columbia, Storehouse of Canada's Far West, Mar. 6, 1939.
British Empire Is 30 Per Cent American, 2 ills., Jan. 15, 1940.
Canada: Britain's Biggest Annex, 2 ills., Nov. 6, 1939.
European Colonies Make Non-American Spots in the Americas, 2 ills., Oct. 23, 1939.
Mexico: Baja California: Mexico's Flowering Desert, Mar. 27, 1939.
Earliest Recorded Date Known in New World Encourages Explorers, 2 ills., Jan. 15, 1940.
Vera Cruz Finds Extend Limits of Maya Culture, 3 ills., 1 map, Mar. 6, 1939.
Additional ill.: Papier-maché devils, Oaxaca, Mexico, Oct. 30, 1939.
Newfoundland: British Empire Is 30 Per Cent American, 2 ills., Jan. 15, 1940.

UNITED STATES

General: China-in-America and a Homeland's Anniversary, Oct. 30, 1939.
County Fairs Are an Old American Custom, Oct. 9, 1939.
Fort Peck Dam To Join 60-Year Hydroelectric Power Parade, Dec. 4, 1939.
German Minorities Scattered Around the World, Dec. 18, 1939.
How Far Out to Sea Does a Country's Sovereignty Extend? Jan. 8, 1940.
In U. S., Czecho-Slovakia Marches On, Nov. 20, 1939.
Mississippi Oil Rush Adds New Petroleum State, Nov. 27, 1939.
Thanksgiving When? Now and Then, 2 ills., Nov. 20, 1939.
Trade with Japan, Less Than Century Old, Amounts to Millions, Nov. 27, 1939.
Uncle Sam Avoids Profiteering with Food Plenty, Oct. 2, 1939.

Oil—*Continued*
Mississippi Oil Rush Adds New Petroleum State, Nov. 27, 1939.
"Stilted" Lagunillas: Its Birth and Death Due to Oil, Dec. 4, 1939.
Additional ill.: Pipe line, Palestine, Apr. 24, 1939.
Pearl Fishing: Bahrein Islands, with Desert Riches More Precious Than Pearls, Oct. 23, 1939.
Additional ill.: Somali pearl divers, Mar. 13, 1939.
Rubber: Chicken-less Liberia: Africa's Sole Independent Republic, Jan. 29, 1940.
Silk: Ill.: Selling silk cocoons, Srinagar, Kashmir, Dec. 4, 1939.
Silver: Ill.: Coolies with silver bars, Shanghai, China, Nov. 13, 1939.
Telephones: Ill.: Telephone exchange, Chinatown, San Francisco, California, Oct. 30, 1939.
Tin: Bolivia: Mineral-Rich Source of New World Tin, 1 map, May 15, 1939.
Vineyards: Ills.: Vineyard worker, Luxembourg, Oct. 30, 1939; Vineyard workers, Portugal, Dec. 11, 1939.
Wheat: Canada: Britain's Biggest Annex, 2 ills., Nov. 6, 1939.
Additional ill.: Wheat field, Romania, Oct. 16, 1939.

PEOPLES AND CULTURES

Archeology: Earliest Recorded Date Known in New World Encourages Explorers, 2 ills., Jan. 15, 1940.
Mount Vesuvius Grumbles Above a Resurrected Pompeii, Jan. 8, 1940.
Vera Cruz Finds Extend Limits of Maya Culture, 3 ills., 1 map, Mar. 6, 1939.
Pocahontas, Cleopatra, and King Solomon Among Archeology's 1939 Studies, 2 ills.; Feb. 12, 1940.
Additional ill.: Hittite carving, Turkey, Jan. 22, 1940.
Architecture: Ills.: Horseshoe gate, Fez, Morocco, Mar. 20, 1939; Old buildings, Danzig, Germany, Oct. 9, 1939; Medieval German buildings, Riga, Latvia, Nov. 6, 1939; German-type buildings, Puerto Varas, Chile, Dec. 18, 1939; Parliament House, Budapest, Hungary, Jan. 15, 1940.
See also *Churches, Cathedrals, and Mosques.*
Battlefields: Ill.: Waterloo, Oct. 9, 1939.
Beverages: Ill.: Drying maté leaves, Paraguay, Dec. 18, 1939.
Castles and Palaces: Vatican Not the Pope's Only Home, Mar. 27, 1939.
Additional ill.: Saarburg (castle), Germany, Oct. 2, 1939.
Ceremonies and Processions: Priest-Sorcerers Dance Evil Spirits Away for China's Nashi Tribesmen, 2 ills., Mar. 20, 1939.
Additional ills.: Ritual connected with crowning of King of Toro, Uganda, Mar. 13, 1939; Ceremonies for ending drought, China, Mar. 27, 1939; Moslem ritual footwashing, Yugoslavia, May 8, 1939; Official procession, Bangkok, Siam, Oct. 16, 1939.
Children: Ills.: School children, Liechtenstein, Apr. 24, 1939; Mother and baby, Dobrujan wheat field, Romania, Oct. 16, 1939; School children, Turkey, Oct. 23, 1939; Nomad children, Libia, Nov. 6, 1939; School children, Sweden, Nov. 6, 1939; School children bathing, Sweden, Feb. 5, 1940.
Churches, Cathedrals, and Mosques: Ills.: St. Vitus Cathedral, Prague, Bohemia-Moravia, Apr. 3, 1939; Mosque, Constanta, Romania, May 1, 1939; Sancta Sophia, Istanbul, Turkey, Oct. 23, 1939; Notre Dame, Angers, France, Dec. 18, 1939.
Costumes and Clothing: Ills.: Woman wearing brass earrings, Hainan Island, Mar. 13, 1939; Arab headdress, Jiddah, Saudi Arabia, Mar. 20, 1939; Costumes of Nashi girls, China, Mar. 20, 1939; Flemish woman, Mar. 20, 1939; Street clothes, Scutari, Albania, Apr. 24, 1939; Lapp family, Tromsö, Norway, Apr. 24, 1939; German police uniforms, 17th century to date, May 15, 1939; Polish women, Oct. 2, 1939; Sikh policeman, Singapore, Straits Settlements, Oct. 2, 1939; Hucul mountaineers, Poland, Oct. 9, 1939; Ukrainians, Poland, Oct. 9, 1939; Estonian women, Oct. 23, 1939; School children's costumes, Sweden, Nov. 6, 1939; Vineyard workers wearing straw raincoats, Portugal, Dec. 11, 1939; Finnish Lapps, Jan. 8, 1940; Sentry's colonial uniform, Nassau, Bahama Islands, Jan. 15, 1940; Finnish medieval costume, Jan. 29, 1940.
Dams: Fort Peck Dam To Join 60-Year Hydroelectric Power Parade, Dec. 4, 1939.
Dances: Ills.: Nashi priest performing Tomba dance, Mar. 20, 1939; Dancing girl, Kashmir, India, Dec. 4, 1939
Maoris dancing, New Zealand, Feb. 12, 1940.
Dikes: "Low Countries" Caught in War's Squeeze Play, 2 ills., Nov. 27, 1939.
Dwellings: Apartments Grow with Census Figures, Feb. 5, 1940.
Additional ills.: Interior of Finnish farmhouse, Oct. 30, 1939; Log cabins of Czech pioneers, Ohio, Nov. 20, 1939; Native hut, Madagascar, Dec. 11, 1939; Cone dwelling, Turkey, Jan. 22, 1940; Native houses, Liberia, Jan. 29, 1940.
Education: Cleveland, Meeting Place of Educators, 2 ills., Feb. 27, 1939.
World Literacy Line-Up for Education Week, 2 ills., Nov. 6, 1939.
Additional ill.: School, Turkey, Oct. 23, 1939.
Expeditions and Explorations: Earliest Recorded Date Known in New World Encourages Explorers, 2 ills., Jan. 15, 1940.
Important Finds Reward 1939 Explorers, 2 ills., Jan. 22, 1940.
Pocahontas, Cleopatra, and King Solomon Among Archeology's 1939 Studies, 2 ills., Feb. 12, 1940.
Stone Age Men Yield Bones to 1939 Scientists, 2 ills., Jan. 29, 1940.
Vera Cruz Finds Extend Limits of Maya Culture, 3 ills., 1 map, Mar. 6, 1939.
Fairs and Exhibitions: County Fairs Are an Old American Custom, Oct. 9, 1939.
Additional ill.: Pretzel stand, Joensuu, Finland, Oct. 30, 1939.
Flags: Ills.: American flag, U. S. Consulate, Aden, Arabia, Feb. 20, 1939; American flag on radio tower, Little America, Antarctica, Jan. 22, 1940.
Forts and Fortresses: Gibraltar: British Sentry at the Mediterranean Gate, May 8, 1939.
Maginot and Limes Lines Are Backbone of Europe's Western Front, Oct. 2, 1939.
Additional ills.: San Giovanni, Yugoslavia, May 8, 1939; Fort Charlotte, Nassau, Bahama Islands, Jan. 15, 1940; Fort Orange, St. Eustatius, Jan. 22, 1940.
Government: Arab World Rallies for Palestine Independence Dispute, 2 ills., Mar. 20, 1939.
India's Vast Patchwork Makes Stubborn Problem for Britain, Nov. 13, 1939.
New Airline for Thailand, Old Siam, 2 ills., 1 map, Dec. 18, 1939.
Three Countries Engulfed by Map Changes in 1939, 2 ills., Jan. 8, 1940.
U. S. Capitol Is Workshop as Well as Showplace, Feb. 27, 1939.
History: Danube Now "Dark Blue" with Traffic and Tension, Jan. 15, 1940.
Eire Still Center for Culture of Druids and King Arthur, Oct. 9, 1939.
Enlarged Lithuania Recovers Its Lost Capital, Dec. 4, 1939.
Geography's Guerrilla Warfare in Europe, 2 ills., Oct. 9, 1939.
"Golden Rock" of St. Eustatius: First Friend of Young U. S., Jan. 22, 1940.
Inland Alexandria (Va.) Bids for Ocean Trade, Dec. 11, 1939.
Latest Change of Status Danzig's Tenth, Oct. 9, 1939.
Pirate Treasure Find Revives Old Tales of Spanish Main, Mar. 20, 1939.
Poland, Now "Somewhere in France," Dec. 18, 1939.
Poland Is Turning Another Page, 2 ills., 1 map, Oct. 2, 1939.
Romania's Border Areas Coveted by Dissatisfied Neighbors, 2 ills., Oct. 16, 1939.
Saar: A Battlefield Since Caesar's Time, Oct. 16, 1939.
Thanksgiving When? Now and Then, 2 ills., Nov. 20, 1939.
Turkish Earthquake Brings Fresh Tragedy to Historic Scene, 2 ills., Jan. 22, 1940.
Warsaw: Capital Without a Country, 2 ills., Oct. 16, 1939.
Waxworks Were Newsreels of Their Times, May 15, 1939.
Ypres (World War "Wipers") Among Belgian Names Changed, Mar. 20, 1939.
Holidays, Celebrations and Customs: Christmas Holly Has Private Life, Too, Dec. 18, 1939.
Hallowe'en Masks: Their Folklore Covers the World, 2 ills., Oct. 30, 1939.
Thanksgiving When? Now and Then, 2 ills., Nov. 20, 1939.
Indians and Eskimos: Pocahontas, Cleopatra, and King Solomon Among Archeology's 1939 Studies, Feb. 12, 1940.

UMI

Boats and Ships: Drifting Mines Add New Peril to North Sea, War's Chief Battleground, Nov. 20, 1939.
Seagoing Junk Recalls Long History of Chinese Craft, 2 ills., Nov. 20, 1939.
Transferred Ships Under Hemisphere's Youngest Flag (Panama), Dec. 4, 1939.
Additional ills.: Canal boats, Grand Canal, China, Mar. 27, 1939; Windjammer, Cardiff, Wales, May 15, 1939; Icebreaker in drydock, Liepaja, Latvia, Oct. 16, 1939; Arab *zarug*, Persian Gulf, Oct. 23, 1939; Liner and schooner, Bermuda waterfront, Nov. 27, 1939; Full-rigged ship near Bermuda, Jan. 8, 1940; Surfboat drill, Coast Guard Station, Cape Hatteras, North Carolina, Jan. 8, 1940.
Bridges: Engineering Accomplishments of 1939, Jan. 29, 1940.
Additional ills.: Bridges over Cuyahoga River, Cleveland, Ohio, Feb. 27, 1939; Charles Bridge, Prague, Bohemia-Moravia, Apr. 3, 1939; Golden Gate Bridge, San Francisco, California, May 15, 1939.
Busses: Ill.: Busses, Uganda, British East Africa, Mar. 13, 1939.
Canals: China's Grand Canal Is Still Longest Artificial Waterway, 3 ills., Mar. 27, 1939.
Additional ills.: Woman and boy towing barge, Saar, Germany, Oct. 16, 1939; Freighter, tugboat, and yacht passing through lock, Panama Canal, Dec. 4, 1939.
Carts: Ills.: Cart, Appian Way, Italy, Mar. 27, 1939; Dog cart, Bohemia-Moravia, Apr. 3, 1939.
Domestic Animals: Mule, Honored in War and Peace, 2 ills., Jan. 29, 1940.
Additional ills.: Donkey loaded with fronds of carnauba palm, Brazil, Feb. 20, 1939; Pack animals, Pyrenees Mountains, Feb. 20, 1939; Team of draft horses, Ohio, Oct. 9, 1939; Miners' pack mules, Spain, Dec. 18, 1939.
Express Service: Pony Express—and Co.—Stage Come-Back for 1939 Centenary, Mar. 20, 1939.
Highways and Roads: Engineering Accomplishments of 1939, Jan. 29, 1940.
Sahara Ensnared in Net of Transportation Lines, Apr. 3, 1939.
Additional ills.: Appian Way, Italy, Mar. 27, 1939; Highways, Lake Garda, Italy, Jan. 22, 1940.
Railroads: Engineering Accomplishments of 1939, Jan. 29, 1940.
Additional ills.: Railroads crossing Cuyahoga River, Cleveland, Ohio, Feb. 27, 1939; Railroad station, Vatican City, Mar. 6, 1939; Estonian-Russian frontier, Jan. 8, 1940.
Rivers: Amur River Boundary Still Giant Question Mark, Mar. 6, 1939.
Danube Now "Dark Blue" With Traffic and Tension, Jan. 15, 1940.
Additional ills.: Cuyahoga River, Cleveland, Ohio, Feb. 27, 1939; Vltava (Moldau) River, Praha (Prague), Bohemia-Moravia, Apr. 3, 1939.
Stagecoaches: Ill.: Stagecoach, Concord, New Hampshire, Mar. 20, 1939.
Submarines: Submarine Is Dr. Jekyll-Mr. Hyde of the Deep, 2 ills., Feb. 27, 1939.
Subways: London's "Underground" Deals in Astronomical Figures, Feb. 27, 1939.
Wagons: Ill.: Covered wagon, Pietermaritzburg, South Africa, Mar. 13, 1939.

COMMERCE, INDUSTRY AND AGRICULTURE

Agriculture: British Columbia, Storehouse of Canada's Far West, Mar. 6, 1939.
Half-and-Half Sakhalin Serves Russia and Japan, Feb. 12, 1940.
U. S. Talks Trade with Customer-Competitor, Argentina, Nov. 13, 1939.
Additional ills.: Oxen plowing, Italy, May 1, 1939; Ice-packing carrots, Texas, Oct. 2, 1939; Wheat field, Romania, Oct. 16, 1939; Greenhouses, Hoeylaert, Belgium, Nov. 27, 1939; Floating farm, Kashmir, India, Dec. 4, 1939; Vineyard workers, Portugal, Dec. 11, 1939.
See also *Beekeeping, Cattle Raising, Cheese, Coffee, Dairying, Food, Vineyards*, and *Wheat*.
Amber: Ill.: Fishing for amber, Memelland, Germany, Apr. 17, 1939.
Asphalt: Ill.: Asphalt lake, Trinidad, Oct. 23, 1939.
Beekeeping: Bee Now Dieted for Farm Work, 2 ills., Nov. 13, 1939.
Cattle Raising: Ill.: Cattle being driven through creosote bath, Argentina, Nov. 13, 1939.
Cement: Cement: A Lucky Accident That Revolutionized Architecture, Oct. 23, 1939.
Cheese: Ill.: Donkey bearing wheels of cheese, Switzerland, Dec. 11, 1939.
Chemistry (Industrial): Chemistry Contributed New Ideas and Products in 1939, Jan. 22, 1940.
Mississippi Oil Rush Adds New Petroleum State, Nov. 27, 1939.
Coffee: Ill.: Coffee blooms and berries, Costa Rica, Feb. 20, 1939.
Coal: Saar: A Battlefield Since Caesar's Time, Oct. 16, 1939.
Additional ill.: Coke ovens, Germany, Apr. 17, 1939.
Cork: Ill.: Cork oaks and cork hut, Alemtejo Province, Portugal, Dec. 11, 1939.
Dairying: Ill.: Cooperative dairy, Denmark, Apr. 3, 1939.
Eggs: Ill.: Shipping eggs from Samsun, Turkey, Feb. 5, 1940.
Emeralds: Emerald: A Green Light for "Go Rich," Apr. 24, 1939.
Fish and Fishing: Scandinavia, Europe's Viking Crest, 3 ills., Feb. 5, 1940.
Food: Uncle Sam Avoids Profiteering with Food Plenty, Oct. 2, 1939.
Additional ills.: Flemish woman slicing bread, Mar. 20, 1939; Chinese boatmen eating rice, Mar. 27, 1939; Pretzels, Joensuu, Finland, Oct. 30, 1939.
Furs: Chinchilla: Aristocrat of Fur-Bearers, Nov. 27, 1939.
Gold: Canada: Britain's Biggest Annex, 2 ills., Nov. 6, 1939.
Harbors and Ports: Black Sea Busy While War Flares on Other Waters, Feb. 5, 1940.
Cardiff Raises a Welsh Voice and Temple in Favor of Peace, May 15, 1939.
Exuberant San Francisco Plays Host to N. E. A. Educators, 2 ills., May 15, 1939.
Murmansk: Russia's Arctic Port of "Missing Ships," Nov. 13, 1939.
Samaná Bay, Little Known West Indian Haven, Feb. 27, 1939.
War Loss Closes Finland's Back Door to the Ice-Free Arctic, Jan. 8, 1940.
Additional ills.: Harbor of Vladivostok, U. S. S. R., Apr. 17, 1939; Waterfront, Danzig, Germany, Oct. 9, 1939; Waterfront, Shanghai, China, Nov. 13, 1939; Harbor of Nassau, Bahama Islands, Jan. 15, 1940.
Imports and Exports: British Columbia, Storehouse of Canada's Far West, Mar. 6, 1939.
British Empire Is 30 Per Cent American, 2 ills., Jan. 15, 1940.
Canada: Britain's Biggest Annex, 2 ills., Nov. 6, 1939.
Courted Turkey Holds a Key, 2 ills., Oct. 23, 1939.
European Colonies Make Non-American Spots in the Americas, 2 ills., Oct. 23, 1939.
Germany Woos Latin American Trade, 2 ills., Feb. 20, 1939.
New Zealand: Australia's Sister Dominion, 4 ills., Feb. 12, 1940.
Switzerland Guards Peace Island Surrounded by War, Dec. 11, 1939.
Three East Baltic Nations under Soviet Union's Wing, Oct. 23, 1939.
Trade with Japan, Less Than Century Old, Amounts to Millions, Nov. 27, 1939.
United States Befriends Friendly Finland, 2 ills., Oct. 30, 1939.
U. S. Countervailing Duty on German Specialties, 2 ills., Apr. 17, 1939.
U. S. Talks Trade with Customer-Competitor, Argentina, Nov. 13, 1939.
Irrigation: Ills.: Building irrigation ditch, Syria, Oct. 23, 1939; Water wheel, Siam, Dec. 18, 1939.
Lace-making: Ill.: Lace-making in béguinage, Belgium, May 8, 1939.
Lumber: Canada: Britain's Biggest Annex, 2 ills., Nov. 6, 1939.
U. S. Befriends Friendly Finland, 2 ills., Oct. 30, 1939.
Additional ills.: Logging, Germany, Apr. 17, 1939; Log rafts, Poland, Oct. 2, 1939.
Markets and Venders: Ill.: Market, Zagreb, Yugoslavia, May 8, 1939.
Mercury: Spain Is Wooed for Mineral Merchandise, Dec. 18, 1939.
Metals: Uncle Sam Weighs Need for Strategic War Metals, April 3, 1939.
Metalworking: Ill.: Jeweler making brooch, Apr. 24, 1939.
Mines and Mining: Half-and-Half Sakhalin Serves Russia and Japan, Feb. 12, 1940.
Spain Is Wooed for Mineral Merchandise, Dec. 18, 1939.
Oil: Bahrein Islands, with Desert Riches More Precious Than Pearls, Oct. 23, 1939.
Germany Is Best Customer at Romanian Bargain Counter, 2 ills., May 1, 1939.

Volcanoes: Mount Vesuvius Grumbles Above a Resurrected Pompeii, Jan. 8, 1940.
Additional ills.: Volcanic cone, Cappadocia, Turkey, Jan. 22, 1940; Semeroe volcano and surrounding craters, Java, Jan. 29, 1940.
Waterfalls: Ill.: Whangarei Falls, New Zealand, Feb. 12, 1940.

SCIENCE

General: Important Finds Reward 1939 Explorers, 2 ills., Jan. 22, 1940.
Aeronautics: Speed, Distance, and Altitude Records Go Up in 1939, Jan. 8, 1940.
Astronomy: Astronomers and Geologists Active in 1939, Jan. 15, 1940.
Mars Gives Tantalizing Hints of Its Geography, Oct. 30, 1939.
Biology: 1939 Saw Progress in Explaining Some Biological Mysteries, Jan. 15, 1940.
Chemistry: Chemistry Contributed New Ideas and Products in 1939, Jan. 22, 1940.
Engineering: Engineering Accomplishments of 1939, Jan. 29, 1940.
Geology: Astronomers and Geologists Active in 1939, Jan. 15, 1940.
Additional ill.: Volcanic cones, Cappadocia, Turkey, Jan. 22, 1940.
Machinery, Instruments, etc.: 1939 Discoveries in Physics Help Radio, Health, Aviation, and Industry, Feb. 5, 1940.
Additional ills.: Coaxial telephone cable used for television, Feb. 20, 1939; Time-table machine, London, Feb. 27, 1939; Telescope at Naval Observatory, Washington, D. C., Jan. 15, 1940.
Paleontology: Stone Age Men Yield Bones to 1939 Scientists, 2 ills., Jan. 29, 1940.
Physics: 1939 Discoveries in Physics Help Radio, Health, Aviation, and Industry, Feb. 5, 1940.
Television: Television Opens the Eyes of the Ether, Feb. 20, 1939.

Photograph from Ewing Galloway by Branson de Cou

VISITORS DIVIDE THEIR ATTENTION BETWEEN OLD ATHENS AND THE NEW

To the Acropolis, fortified rocky prominence of ancient Athens, visitors flock to see the Parthenon and other famous buildings, then pause briefly to look out over the Athens of 2,300 years later, to the dome of Lycabettus in the background. Excavations of the American School of Classical Studies brought to light a very practical find, a rain-water drain, damaged when Sulla besieged the city in 86 B.C.; they cleaned and repaired the 2,000-year-old drain, and now it is in service again. A further discovery was interpreted as explaining how the ancient Athenians were able to withstand lengthy sieges on their rocky Acropolis without rain to replenish their water supply: a pool in a rock chamber beneath the Acropolis, reached by a secret underground passage.

UMI

Indians and Eskimos—*Continued*
Stone Age Men Yield Bones to 1939 Scientists, 2 ills., Jan. 29, 1940.
Additional ills.: Totem poles, Alert Bay, British Columbia, Mar. 6, 1939; Eskimo, Canada, Nov. 6, 1939; Indian trapper, Quebec, Canada, Jan. 15, 1940.
International Law: How Far Out to Sea Does a Country's Sovereignty Extend? Jan. 8, 1940.
Legends and Mythology: Eire Still Center for Culture of Druids and King Arthur, Oct. 9, 1939.
Hallowe'en Masks: Their Folklore Covers the World, 2 ills., Oct. 30, 1939.
Musical Instruments: Ill.: Romanian bagpiper, Oct. 16, 1939; Finnish boy playing on *kantele*, Oct. 30, 1939.
National Geographic Society: Earliest Recorded Date Known in New World Encourages Explorers, 2 ills., Jan. 15, 1940.
Geography's Guerilla Warfare in Europe (Europe map, Sept. 1, 1939), 2 ills., Oct. 9, 1939.
New Map Shows Important Area Around New York City, May 1, 1939.
Pocahontas, Cleopatra, and King Solomon Among Archeology's 1939 Studies, 2 ills., Feb. 12, 1940.
Priest-Sorcerers Dance Evil Spirits Away for China's Nashi Tribesmen, 2 ills., Mar. 20, 1939.
Vera Cruz Finds Extend Limits of Maya Culture, 3 ills., 1 map, Mar. 6, 1939.
National Parks: West's "Last Stand" Expanded in Olympic National Park, Feb. 5, 1940.
Newspapers: London Guards Newsy Fleet Street, Avenue of Words, Apr. 17, 1939.
Additional ill.: Newspaper stand, Vilnius, Lithuania, Dec. 4, 1939.
Parks, Memorials, and Shrines: Ills.: Golden Gate Park, San Francisco, California, May 15, 1939; George Washington Masonic National Memorial, Alexandria, Virginia, Dec. 11, 1939.
See also *Statues and Monuments*.
Races and Tribes: Arab World Rallies for Palestine Independence Dispute, 2 ills., Mar. 20, 1939.
China-in-America and a Homeland's Anniversary, Oct. 30, 1939.
Dobruja: A Magnet for Black Sea Diplomacy, Nov. 20, 1939.
Eire Still Center for Culture of Druids and King Arthur, Oct. 9, 1939.
German Minorities Scattered Around the World, Dec. 18, 1939.
In U. S., Czecho-Slovakia Marches On, Nov. 20, 1939.
Lapps, The Dwarfs of the Arctic, Have Disregarded Boundaries, 2 ills., Apr. 24, 1939.
Priest-Sorcerers Dance Evil Spirits Away for China's Nashi Tribesmen, 2 ills., Mar. 20, 1939.
South Tyrol, Italy's Teutonic Province, Jan. 22, 1940.
Why "White" Russians and Ukrainians in Poland? 2 ills., Oct. 9, 1939.
Additional ills.: Basques, French Pyrenees, Mar. 27, 1939; Hottentot family, South-West Africa, May 8, 1939; Sikh policeman, Singapore, Straits Settlements, Oct. 2, 1939; Eskimo, Canada, Nov. 6, 1939; Laplanders, Nov. 13, 1939; Japanese women making artificial flowers, Nov. 27, 1939; Finnish Lapps, Jan. 8, 1940; New Guinea native, Jan. 22, 1940; Ethiopian nobleman riding mule, Jan. 29, 1940; Maoris, New Zealand (3 ills.), Feb. 12, 1940; Ainus, Sakhalin, Feb. 12, 1940.
Religion: Kashmir Enforces Beef Ban on Beef-Eating Visitors, 3 ills., Dec. 4, 1939.
Tibetan Boy-Buddha Now Rules Asia's Strangest Country, Nov. 6, 1939.
Vatican City, a Thumb-Nail State of World Importance, Mar. 6, 1939.
Additional ills.: Sucevita Monastery, Romania, May 1, 1939; Tibetan lama, Nov. 6, 1939.
Statues and Monuments: Ills.: Soldiers and Sailors Monument, Cleveland, Ohio, Feb. 27, 1939; Statues of Sigismund III, and Adam Mickiewicz, Warsaw, Poland (2 ills.), Oct. 16, 1939; Statue of Josephine, Fort-de-France, Martinique, Oct. 23, 1939; World War Memorial, Shanghai, China, Nov. 13, 1939; Monument, Avenida da Liberdade, Lisbon, Portugal, Dec. 11, 1939; Statue of King Wenceslaus, Prague, Bohemia-Moravia, Jan. 8, 1940.
Temples: Ill.: Wat Phra Keo, Bangkok, Siam, Oct. 16, 1939.
Towers: Ills.: "Bluebeard's Castle," St. Thomas, Virgin Islands, Mar. 20, 1939; Round Tower, Antrim, Northern Ireland, Oct. 9, 1939.
Traffic Regulations: Schools Tackle World Problem of Traffic Safety, Oct. 2, 1939.
Umbrellas: Umbrella Goes Up in Popular Esteem, Oct. 16, 1939.
Water wheels: Ill.: Water wheel, Thailand (Siam), Dec. 18, 1939.
Waxworks: Waxworks Were Newsreels of Their Times, May 15, 1939.

NATURAL HISTORY

General: 1939 Saw Progress in Explaining Some Biological Mysteries, Jan. 15, 1940.
Animals: Animals and the Law, 2 ills., May 1, 1939.
Important Finds Reward 1939 Explorers, 2 ills., Jan. 22, 1940.
See also *Mammals*.
Birds: Ills.: Pigeons, Bombay, India, Mar. 27, 1939; Nest of osprey in cactus tree, Lower California, Mar. 27, 1939; Turkeys (2 ills.), Nov. 20, 1939.
Fishes: 1939 Saw Progress in Explaining Some Biological Mysteries, Jan. 15, 1940.
Insects: Bee Now Dieted for Farm Work, 2 ills., Nov. 13, 1939.
Mammals: Chinchilla: Aristocrat of Fur-Bearers, Nov. 27, 1939.
Mule, Honored in War and Peace, 2 ills., Jan. 29, 1940.
Additional ills.: Goats, Bombay, India, Mar. 27, 1939; Donkey and camel, El Golea, Sahara Desert, Apr. 3, 1939; Reindeer herd, Lapland, Apr. 24, 1939; Draft horses, Ohio, Oct. 9, 1939; Elephants and maharajah's cart, India, Nov. 13, 1939; Horses drawing bus, Bermuda, Nov. 27, 1939; Shetland pony, Shetland Islands, Dec. 11, 1939; Donkey carrying cheese, Switzerland, Dec. 11, 1939; Elephant in stocks, Thailand (Siam), Dec. 18, 1939; Miners' pack mules, Spain, Dec. 18, 1939; Elk (wapiti), Olympic National Park, Washington, Feb. 5, 1940.
Palms: Ill.: Gathering fronds of carnauba palm, Brazil, Feb. 20, 1939.
Plants: Christmas Holly Has Private Life, Too, Dec. 18, 1939.
1939 Saw Progress in Explaining Some Biological Mysteries, Jan. 15, 1940.
Additional ill.: Giant cactus, Lower California, Mar. 27, 1939.
Trees: Christmas Holly Has Private Life, Too, Dec. 18, 1939.
Additional ills.: Coffee blooms and berries, Costa Rica, Feb. 20, 1939; Cherry blossoms, Washington, D. C., Apr. 17, 1939.

PHYSICAL GEOGRAPHY

Bays: Scapa Flow, Dramatic Scottish Base for the British Navy, Nov. 6, 1939.
Deserts: Sahara Ensnared in Net of Transportation Lines, Apr. 3, 1939.
Additional ill.: Nomad children in Libian desert, Nov. 6, 1939.
Earthquakes: Earthquakes Are Not New in Chile, Feb. 20, 1939.
Turkish Earthquake Brings Fresh Tragedy to Historic Scene, 2 ills., Jan. 22, 1940.
Hot Springs: Ill.: Hot Springs, New Zealand, Feb. 12, 1940.
Lagoons: Ill.: Lagoon, Canton Island, May 1, 1939.
Lakes: Ills.: Lake of the Woods, Ontario, Canada, Nov. 6, 1939; Lake Llanquihue, Chile, Dec. 18, 1939; Lake Garda, Italy, Jan. 22, 1940.
Mountains: Spain's War Victims Pour over Pyrenees into France, Feb. 20, 1939.
Additional ills.: Andes near Mount Aconcagua, Argentina, Feb. 20, 1939; Mountains around Lake Garda, Italy, Oct. 9, 1939; Mount Osorno, Chile, Dec. 18, 1939; Mountains, Norway, Feb. 5, 1940.
Rivers: Danube Now "Dark Blue" with Traffic and Tension, Jan. 15, 1940.
Additional ills.: Vltava (Moldau) River, Prague, Bohemia-Moravia, Apr. 3, 1939; Czarny Czeremosz River, Poland, Oct. 2, 1939; Saar River, Germany, Oct. 2, 1939; Mottlau River, Danzig, Oct. 9, 1939; Missouri River, United States, Dec. 4, 1939.
Seas: Black Sea Busy While War Flares on Other Waters, Feb. 5, 1940.
Drifting Mines Add New Peril to North Sea, War's Chief Battleground, Nov. 20, 1939.
Soviet Union Appears in Political Patchwork of the Baltic, Oct. 16, 1939.
Straits: Courted Turkey Holds a Key, 2 ills., Oct. 23, 1939.

Photograph by Dr. Carlos E. Cummings

A MAORI GREETING CALLS FOR HANDS, HEADS, AND NOSES

Clasping right hands, the two girls have touched heads, ready to press noses together in the *hongi*, the Maori version of the kiss. Outsiders misinterpreted the greeting as nose-rubbing. The Maori women make blanket shawls of woven native flax, trimmed with flax strings and feathers. The wood-carving (left) is typical of the decoration which Maori men use on all posts and beams in their houses.